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## JP59229451A2: COPPER ALLOY WITH SUPERIOR CORROSION RESISTANCE AND SOFTENING RESISTANCE

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Country: **JP Japan**

Kind:

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Application Number: **JP1983000103885**

IPC Class: **C22C 9/04;**

Abstract: **Purpose:** To obtain the titled Cu alloy suitable for use as a material for electric parts and the fins of a radiator by adding Zn and a little Ti to Cu.  
**Constitution:** This Cu alloy consists of, by weight, 0.03W0.2% Ti, 0.08W3% Zn, =0.04% P and the balance Cu. The alloy has superior corrosion resistance and softening resistance. The corrosion resistance is improved by adding Zn, and a synergistic effect is produced by adding Ti together with Zn, so the corrosion resistance is further improved. The amount of Ti contained in the alloy is much smaller than the amount of Ti in known titanium copper, yet the alloy can ensure sufficient softening resistance. The alloy also has high electric conductivity and solderability, and it is suitable for use as a material for electric parts and the fins of a radiator.  
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Other Abstract Info: **CHEMABS 102(18)153502Q CAN102(18)153502Q**

Foreign References: **(No patents reference this one)**



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